

| Ref # | Hits | Search Query   | DBs                                | Default Operator | Plurals | Time Stamp       |
|-------|------|--|------------------------------------|------------------|---------|------------------|
| S1    | 1    | ("20040091792").PN.  | US-PGPUB; USPAT                    | OR               | OFF     | 2005/03/12 11:25 |
| S2    | 1    | ("5567552").PN.  | US-PGPUB; USPAT                    | OR               | OFF     | 2005/03/12 11:33 |
| S3    | 61   | (phas\$3 or shift\$3) same (mask or photomask or reticle) same (phase edge or phaseedge or chrome less or chromeless).ti,ab.   | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ              | ON      | 2005/03/12 11:37 |
| S4    | 8960 | (phas\$3 or shift\$3) same (mask or photomask or reticle).ti,ab. not S3  | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ              | ON      | 2005/03/12 11:42 |
| S5    | 1026 | S4 and (method or process) same etch\$3.ti,ab.   | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ              | ON      | 2005/03/12 11:40 |
| S6    | 159  | S5 and etch\$3 same (trench\$3 or groov\$3 or recess\$3).ti,ab.  | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ              | ON      | 2005/03/14 10:02 |
| S7    | 80   | 430/5.ccls. and (phas\$3 or shift\$3 or phaseedge) same (etch\$3 and trench\$3 or groov\$3 or recess\$3).ti, ab. not S3 not S6   | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ              | ON      | 2005/03/12 11:52 |
| S8    | 388  | 216/12.ccls. not S3 not S6 not S7  | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ              | ON      | 2005/03/12 11:53 |
| S9    | 80   | 216/12.ccls. and (phase\$3 or shift\$3 or phaseedge or PSM) not S3 not S6 not S7   | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ              | ON      | 2005/03/12 11:56 |
| S10   | 157  | 430/5.cor. and 430/323.ccls. and (phase\$3 or shift\$3 or phaseedge or PSM) not S3 not S6 not S7 not S9  | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ              | ON      | 2005/03/14 18:05 |
| S28   | 2    | DE-19941408-.did.  | EPO; JPO; DERWENT                  | ADJ              | ON      | 2005/03/14 16:57 |
| S29   | 1    | JP-04371951-.did.  | DERWENT                            | ADJ              | ON      | 2005/03/14 16:58 |
| S30   | 166  | 430/5.ccls. and (phase\$3 or shift\$3 or phaseedge or PSM).ti,ab. and (linewidth or wid\$3) near3 (opaque or light near3 block\$3 or binary or chrome or chromium or "Cr") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ              | ON      | 2005/03/14 18:10 |

|     |    |   |                                    |     |    |                  |
|-----|----|---|------------------------------------|-----|----|------------------|
| S31 | 15 | 430/5.ccls. and (phase\$3 or shift\$3 or phaseedge or PSM).ti,ab. and (linewidth or wid\$3) near3 (opaque or light near3 block\$3 or binary or chrome or chromium or "Cr").ti,ab.       | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2005/03/14 18:24 |
| S32 | 9  | 430/5.ccls. and (phase\$3 or shift\$3 or phaseedge or PSM).ti,ab. and (size or dimension) near3 (opaque or light near3 block\$3 or binary or chrome or chromium or "Cr").ti,ab. not S31 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2005/03/14 18:25 |